Index of Claims

Application/Control No.

10/715,997 Examiner

Toan N. Pham

Applicant(s)/Patent under Reexamination

OKUBO, YOUICHI

Art Unit

2632

|   | 1 | Rejected |
|---|---|----------|
| ı |   | Allowed  |

- (Through numeral)
Cancelled
+ Restricted

| Z | Non-Elected  |
|---|--------------|
| 1 | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Claim Date                                       |          |                     |                 |          |          | Claim Date |               |          |          |          |              | Claim        |            |          |          |                                    | Date      |          |          |         |                                                  |            |           |          |          |          |          |              |          |                      |           |
|--------------------------------------------------|----------|---------------------|-----------------|----------|----------|------------|---------------|----------|----------|----------|--------------|--------------|------------|----------|----------|------------------------------------|-----------|----------|----------|---------|--------------------------------------------------|------------|-----------|----------|----------|----------|----------|--------------|----------|----------------------|-----------|
| 1                                                | <u></u>  | ٦                   | 1               |          |          | - 1        |               |          |          |          |              | <del> </del> |            |          |          |                                    |           |          |          |         |                                                  | <u></u>    |           | - 1      |          |          |          | Ī            |          | П                    |           |
| Final                                            | Original | 6/10/05             |                 |          |          | - 1        |               |          |          |          | Final        | Original     | 1 1        | i I      | ı        |                                    |           | -        |          |         | Final                                            | Original   |           | ı        |          |          |          | - 1          |          |                      |           |
| 证                                                | ٦        | 1/9                 |                 |          |          | - 1        |               |          |          |          | Œ            | ١Ĕ           | 1          |          |          |                                    |           |          | 1        |         | 证                                                | 뚪          |           |          |          |          |          | -            |          |                      | - 1       |
|                                                  |          |                     | Ш               |          |          |            | ightharpoonup |          |          |          |              | I            |            | Ш        | ┸        |                                    | Ш         |          | 1        |         |                                                  |            | Ш         |          |          |          | $\perp$  |              |          | $ \bot $             |           |
| 1_                                               | 1        | =                   | Ш               |          | $\Box$   |            | $\perp$       | _        | $\perp$  | _        | <u></u>      | 51           | Ш          | Ш        | ᆚ        |                                    |           |          |          | _       | <u> </u>                                         | 101        | Ш         |          |          |          | $\Box$   |              |          | $\Box$               |           |
| 2                                                | 2        | =                   | $\sqcup$        |          |          | _          | $\perp$       | _        |          | ╝        | L            | 52           | Ш          |          |          | $\bot$                             | Ш         | $\perp$  | _L       | _       |                                                  | 102        | Ш         |          | $\perp$  | $\perp$  | $\dashv$ | $\sqcup$     | $\dashv$ | ${oldsymbol{\perp}}$ | ╝         |
| 3                                                | 3        | <u> =</u>           | $\sqcup$        |          | _        | 4          | _             | _        |          | _        | <u></u>      | 53           | Ш          | Щ.       |          | 1_                                 | $\Box$    | 4        |          | -       |                                                  | 103        | Ш         | 4        | _        |          | _        | _            | _        | _                    | ╝         |
| 4                                                | 4        | =                   | Ш               | _        | $\perp$  | 4          | _             | _        | _ _      | 4        | <u> </u>     | 54           | Ш          | $\perp$  | _ _      | ļ                                  | Ц         | 4        | _ _      | 4       |                                                  | 104        |           | 4        | 4        | _        | _        | _            | _        | $\dashv$             | _         |
| 5                                                | 5        | =                   | $\vdash \vdash$ |          | $\vdash$ | 4          | 4             | 4        | _        | -        |              | 55           | Н          |          |          | -                                  | $\sqcup$  | _        | _ _      | 4       | ļ                                                | 105        | Ш         | _        | 4        | _        | 4        | _            | _        | 4                    | 4         |
| 6                                                | 6        | =                   | $\vdash$        |          | $\vdash$ | 4          | $\dashv$      | $\dashv$ | 4        | -1:::    | <u> </u>     | 56           | ₩          | $\dashv$ |          | —                                  |           | 4        | - -      | -       |                                                  | 106        |           |          | 4        | 4        | 4        | _            | _        | 4                    | 4         |
| 7                                                | 7        | =                   | $\vdash$        | _        | H        | 4          | -             | -        | +        | -        | <u> </u>     | 57           | $\vdash$   | $\dashv$ | +        |                                    | $\dashv$  | 4        | +        | -       |                                                  | 107        |           | -        | 4        | -        | 4        | $\dashv$     |          | -                    | 4         |
| 8                                                | 8        | =                   | $\vdash \vdash$ | _        | $\vdash$ | -          | -             | -        | -        | - :::    | -            | 58           | $\vdash$   | -        |          | +-                                 | Н         | +        |          | - !!!!  | <u> </u>                                         | 108        | $\square$ | $\dashv$ | -        | 4        | 4        | $\dashv$     | _        |                      | 4         |
| 10                                               | 9        | =                   | $\vdash$        | $\dashv$ | $\dashv$ | +          | $\dashv$      | $\dashv$ | $\dashv$ | -        |              | 59<br>60     | $\vdash$   | $\vdash$ | +        | -                                  |           |          |          | - ::::  |                                                  | 109        | Н         | +        | $\dashv$ | +        | +        | -            | $\dashv$ | $\dashv$             | $\dashv$  |
|                                                  |          | -                   | $\vdash$        | $\dashv$ | $\dashv$ | -          | +             | -        |          | - :::    | <b> </b>     |              | -          |          |          | +-                                 | $\vdash$  | +        | -        | -       | <del> </del>                                     | 110        | -         | -        | +        | +        | $\dashv$ | -            | $\dashv$ | $\dashv$             | $\dashv$  |
| 13<br>11                                         | 11<br>12 | =                   | $\vdash$        | -        | -+       | +          | +             | $\dashv$ | +        | -        | <b>—</b>     | 61<br>62     | $\vdash$   | -        | +        | +                                  | $\dashv$  | $\dashv$ | +        | -       | <u> </u>                                         | 111        | $\dashv$  | $\dashv$ | +        | +        | +        | $\dashv$     | $\dashv$ | $\dashv$             | $\dashv$  |
| 12                                               | 13       | =                   | $\vdash$        | $\dashv$ | +        | +          | +             | +        | +        | -        |              | 63           | $\vdash$   | $\dashv$ | +        | +                                  | $\dashv$  | +        | +        | -       | $\vdash$                                         | 112<br>113 | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | -        | -                    | $\dashv$  |
| 14                                               | 14       | =                   | -               | -        | $\dashv$ | $\dashv$   | +             | $\dashv$ | +        | -        | <del> </del> | 64           | $\vdash$   | $\dashv$ |          | +                                  | $\dashv$  | +        | +        | -       | <del>  </del>                                    | 114        | $\vdash$  |          | +        | +        | +        | $\dashv$     | $\dashv$ | -+                   | $\dashv$  |
| 15                                               | 15       | =                   | -               | $\dashv$ | +        | $\dashv$   | +             | +        | +        | $\dashv$ | $\vdash$     | 65           | $\vdash$   | +        |          | +                                  | $\dashv$  | +        | +        | -       |                                                  | 115        | $\dashv$  | $\dashv$ | +        | $\dashv$ | +        |              | -        | $\dashv$             | $\dashv$  |
| 16                                               | 16       | ▐                   | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$      | +        | +        | -        | $\vdash$     | 66           | $\vdash$   | $\dashv$ | +        | +                                  | $\dashv$  | +        | +        | 1       | <u> </u>                                         | 116        | $\vdash$  | +        | +        | $\dashv$ | $\dashv$ | -+           | +        | $\dashv$             | $\dashv$  |
| 17                                               | 17       | ╘                   | +               | $\dashv$ | $\dashv$ | +          | +             | +        | +        | -        | $\vdash$     | 67           | $\vdash$   | $\dashv$ | +        | +                                  | $\dashv$  | +        | +        | -       |                                                  | 117        | $\dashv$  | +        | +        | -        | +        | -            | $\dashv$ | +                    | $\dashv$  |
| 18                                               | 18       | =                   | -               | ᅥ        | $\dashv$ | $\dashv$   | $\dashv$      | $\dashv$ | +        | -        | $\vdash$     | 68           | ╁┼         | -        | -        | +                                  | $\dashv$  | +        | +        | -       |                                                  | 118        | $\dashv$  | +        | $\dashv$ | -+       | +        | -+           | $\dashv$ | $\dashv$             | $\dashv$  |
| <del>                                     </del> | 19       | $\vdash$            | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$   | +             | $\pm$    | +        | -        | $\vdash$     | 69           | H          | -        | +        | +                                  | $\dashv$  | $\dashv$ | +-       | 1       | -                                                | 119        |           | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | ╅        | $\dashv$             | $\dashv$  |
| $\vdash$                                         | 20       | $\vdash$            | $\vdash$        | ┪        | $\neg$   | +          | $^{\dagger}$  | +        | +        | ⊣::::    | $\vdash$     | 70           | 1-1        | +        | $\dashv$ | +                                  | $\dashv$  | $\dashv$ | +        | ┨       |                                                  | 120        | -         | +        | +        | -+       | $\dashv$ | $\dashv$     | -+       | $\dashv$             | $\dashv$  |
|                                                  | 21       |                     | $\vdash$        | ┪        | _        | 7          | $\top$        | +        | 十        | ١        |              | 71           | 1-1        | $\dashv$ | +        | 1                                  | +         | +        | +        | 1       |                                                  | 121        | +         | $\dashv$ | +        | 十        | 十        | +            | +        | $\dashv$             | $\dashv$  |
|                                                  | 22       |                     | $\vdash$        | 7        | $\dashv$ | 十          | $\dashv$      | $\dashv$ | +        | -        | $\vdash$     | 72           | 1-1        | -        |          | $\vdash$                           | $\dashv$  | $\top$   | +        | -{!!!!  |                                                  | 122        | -         | 十        | $\dashv$ | $\dashv$ | +        | $\dashv$     | +        | $\dashv$             | $\dashv$  |
|                                                  | 23       |                     | $\vdash$        | ┪        | 寸        | $\dashv$   | T             | 十        | +        |          |              | 73           | $\vdash$   | 十        | $\top$   | +                                  | 寸         | $\top$   | $\dashv$ | ┧       | <del>                                     </del> | 123        | $\dashv$  | $\dashv$ | +        | ┪        | 十        | 十            | +        | $\dashv$             | ╡         |
|                                                  | 24       | П                   | $\top$          | ┪        |          | 7          | $\top$        | $\dashv$ | +        | -        |              | 74           |            | $\dashv$ | 十        | $\top$                             | -         | $\top$   | +        | 1       |                                                  | 124        | $\neg$    | _        | +        | +        | 十        | 寸            | $\dashv$ | 十                    | ┪         |
|                                                  | 25       |                     | $\Box$          | ╗        | $\neg$   | $\top$     | $\top$        | 十        | 1        | 7        |              | 75           | $\Box$     | 一        |          | $\top$                             | 寸         | $\top$   | $\top$   | 7       |                                                  | 125        | $\dashv$  | _        | 7        | 十        | 十        | _            | $\dashv$ | $\dashv$             | ┪         |
|                                                  | 26       |                     | $\neg$          |          |          |            | $\neg$        | $\neg$   | 7        |          |              | 76           | П          | 7        | 1        | $\Box$                             | 寸         | 十        | _        | 1       |                                                  | 126        | $\dashv$  | $\dashv$ | ╅        | _        | 十        | _            | 7        | 寸                    | $\exists$ |
|                                                  | 27       |                     | $\neg$          | T        | $\neg$   | $\top$     | 丁             |          |          |          |              | 77           |            |          | $\top$   | $\Box$                             |           | _        | ┪        | 1       |                                                  | 127        | $\neg$    | 寸        | $\top$   | $\top$   | ナ        | 寸            |          | 十                    | ╛         |
|                                                  | 28       |                     |                 |          |          |            | T             |          | T        | 7        |              | 78           | $\Box$     |          |          | $\sqcap$                           | $\exists$ |          | 1        | 1       |                                                  | 128        | ヿ         |          | 7        | $\top$   | ヿ        | 寸            | 寸        | ヿ                    | ┪         |
|                                                  | 29       |                     |                 |          |          | Т          | Т             | Т        | Т        |          |              | 79           |            | T        | <b>-</b> | $\Box$                             | ╅         | $\top$   | $\top$   | 7       |                                                  | 129        |           |          | T        |          | ヿ        |              | T        | $\neg$               |           |
|                                                  | 30       |                     |                 |          |          |            |               |          | $\perp$  |          |              | 80           |            |          |          |                                    |           |          | T        | 7       |                                                  | 130        |           | $\neg$   | 1        | 7        | $\top$   | 一            | T        | $\neg$               | ╗         |
|                                                  | 31       | Ш                   |                 |          |          |            |               | $\perp$  |          |          |              | 81           |            |          |          |                                    |           |          |          |         |                                                  | 131        |           |          | Т        |          | П        |              | T        | $\neg$               |           |
|                                                  | 32       | Ш                   | $\perp$         | $\Box$   |          |            |               |          |          |          |              | 82           |            |          |          |                                    |           |          |          | ]       |                                                  | 132        |           |          | $\Box$   |          | $\Box$   |              |          | $\Box$               |           |
|                                                  | 33       | Ш                   | $\perp$         | 4        | $\bot$   | _          | 4             | $\dashv$ | $\perp$  | 4        |              | 83           | Ш          | $\perp$  | $\perp$  | Ш                                  | $\perp$   | 1        | L        |         |                                                  | 133        |           | $\perp$  |          | _[_      | $\perp$  | $\Box$       | $\bot$   | $oldsymbol{\bot}$    | _].       |
|                                                  | 34       | Ш                   | $\perp$         | 4        | 4        | 4          | 4             | 4        | 4        | 4        | <u> </u>     | 84           | Ш          | $\bot$   | $\bot$   | Ш                                  | _         | $\perp$  | $\perp$  |         |                                                  | 134        | $\perp$   | $\perp$  |          |          | $\perp$  | $\perp$      |          | $\perp$              |           |
|                                                  | 35       | $\vdash$            | -               | 4        | _        | 4          | 4             | 4        | 4        | -        | <u> </u>     | 85           | Ш          | 4        | $\bot$   | 1_1                                | $\dashv$  | $\perp$  | $\bot$   | 4       |                                                  | 135        | $\perp$   | 1        | _        | $\bot$   | 4        | _            | $\dashv$ | $\perp$              | _         |
|                                                  | 36       | Ш                   |                 | 4        | _        | 4          | $\downarrow$  | $\perp$  | $\bot$   | 4        |              | 86           | Ш          | 4        |          | $\downarrow \downarrow \downarrow$ | _         | 4        | $\perp$  | 4       |                                                  | 136        | _         | $\perp$  | 4        | $\perp$  | ᆚ        | _            | _        | _                    | _         |
|                                                  | 37       | Щ                   | _               | -        | -+       | +          | +             | $\bot$   | $\perp$  | 4        |              | 87           | $\sqcup$   | 4        | $\bot$   | $\sqcup$                           | 4         | 4        | ┸        | 4       |                                                  | 137        | $\dashv$  | 4        | $\perp$  | $\bot$   | 4        | $\downarrow$ | $\perp$  | 4                    | _         |
|                                                  | 38       | $\vdash \downarrow$ | -               | 4        | $\dashv$ | 4          | 4             | -        | $\bot$   | -        | <u> </u>     | 88           | Н          | $\perp$  | 4        | $\sqcup$                           | 4         | 4        | _        | 4       |                                                  | 138        | _         | 4        | 4        | $\bot$   | 4        |              | $\perp$  | $\dashv$             | _         |
|                                                  | 39       | $\vdash$            | +               | 4        | _        | +          | +             | +        | +        | -        |              | 89           | ${oxed}$   |          | 4-       | $\sqcup$                           | _         | $\perp$  | 4        | 4       |                                                  | 139        | $\dashv$  | $\bot$   | $\bot$   | _        | 4        | 4            | 4        | $\dashv$             | _         |
|                                                  | 40       | $\vdash \vdash$     | +               | +        | -+-      |            | +             | +        | +        | -        | <u> </u>     | 90           | $\vdash$   | 4        | +-       | ╀┤                                 | -         | 4        | 4-       | 4 1     |                                                  | 140        | _         | $\perp$  | _        | +        | 4        | _            | 4        | $\dashv$             | 4         |
|                                                  | 41       | ├─┤                 | -+-             | +        | -+       | +          | +             |          | +        | -        | <u> </u>     | 91           | $\vdash$   | +        | +-       | ╁                                  |           | 4        | +-       | 4       |                                                  | 141        | -         | +        | +        | +        | +        | -            | _        | $\dashv$             | 4         |
|                                                  | 42<br>43 | $\vdash$            | +               | $\dashv$ | +        | +          | +             | +        | +        | -        | <del> </del> | 92           |            | +        | +        | +                                  | -         | -        | +-       | -       |                                                  | 142        | -+        | +        | +        | -        | +        | $\dashv$     | 4        | $\dashv$             | $\dashv$  |
|                                                  | 44       | $\vdash$            | $\dashv$        | $\dashv$ | +        | -          | +             | +        | +        | -        | <u> </u>     | 93           | $\vdash$   | +        | +        | $\vdash$                           | -         | +        | +        | -       | -4                                               | 143        |           | -        | +        | - -      | 4        | 4            | +        | $\dashv$             | 4         |
|                                                  | 45       | $\vdash$            | +               | +        | +        | +          | +             | +        | +        | -        | _            | 94<br>95     | $\vdash$   | +        | +        | +-                                 | +         | +        | +-       | ╂       |                                                  | 144<br>145 | -+        | +        | +        | +        | +        | +            | $\dashv$ | +                    | $\dashv$  |
|                                                  | 46       | $\vdash$            | +               | +        | +        | +          | +             | +        | +        | -        |              | 96           | ┝╌┤        | +        | +        | ++                                 | +         | +        | +-       | -       |                                                  |            | $\dashv$  | +        | +        | +        | +        | $\dashv$     | +        | +                    | $\dashv$  |
| -+                                               | 47       | $\dashv$            | +               | +        | +        | +          | +             | +        | +        | -        | <u> </u>     | 97           | $\vdash$   | $\dashv$ | +        | $\vdash$                           | +         | +        | ┿        | ┨┈╟     |                                                  | 146<br>147 | +         | +        | +        | +        | +        | +            | +        | +                    | $\dashv$  |
|                                                  | 48       | $\dashv$            | +               | +        | +        | +          | +             | +        | +        | -        |              | 98           |            | -+       | +        | ╁                                  | +         | +        | +-       | ╢╟      | -                                                | 147        | +         | -        | +        |          | +        | +            | -+       | +                    | $\dashv$  |
|                                                  | 49       | $\dashv$            | $\dashv$        | +        | +        | +          | +             | +        | +        | - ::::   |              | 99           | $\vdash$   |          | ╁        | +                                  | +         | +        | +        | ┨┋╏     |                                                  | 149        | $\dashv$  | +        | +        | - -      | +        | +            | +        | +                    | -         |
|                                                  | 50       |                     | -               | +        | $\dashv$ | +          | +             | +        | +        | 1        |              | 100          | $\vdash +$ | +        | +-       | 1-1                                | $\dashv$  |          | +        | 1 }     |                                                  | 150        | ᅪ         | +        |          | +        | +        | +            | +        | +                    | $\dashv$  |
|                                                  |          |                     |                 | _        |          |            |               |          |          |          | Щ.           | 100          | ш          |          |          | <u>1</u>                           |           |          |          | J:::::L |                                                  | 130        |           |          | _1_      |          | 丄        |              |          | 丄                    |           |